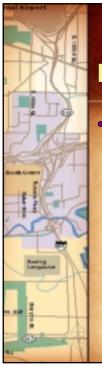




# **Puget Sound Regional Council**

- Seattle Metropolitan Area
- 4-County MPO/RTPO
- 68 Member Jurisdictions
- 3 Million Population
- Top 5 congested metro area (TTI Index)

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## **Background**

#### Funding

- Gasoline Tax
- Region exports tax revenues to rural areas of State
- Major loss of highway capital and transit, ferry operating revenue due to public initiative (I-695)
- Available revenues fall far short of needs

## Coordination

- Projects identified by local jurisdictions
- Some coordination at "sub-area" level
- Insufficient coordination of regionally significant facilities
- Investments are not effectively addressing congestion problems

СНОВИЦП



## **PSRC**

## **Transportation Improvement Program (TIP)**

- Receives project submittals from member jurisdictions
- Test projects for consistency with long range (30yr) transportation plan
- Maintains TIP Database
- Administers federal grant programs

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# Goal of TIP WebGIS

 Ultimately, to improve the effectiveness by which the region addresses its transportation problem



## Goals of TIP WebGIS (cont'd)

- Improve access to TIP information
  - Add value to information through spatial presentation
  - Reduce demands on staff time
- Provide better information to project owners
  - More systematic selection of projects
- Provide better information to funding authorities
  - Adequate information to act on priorities

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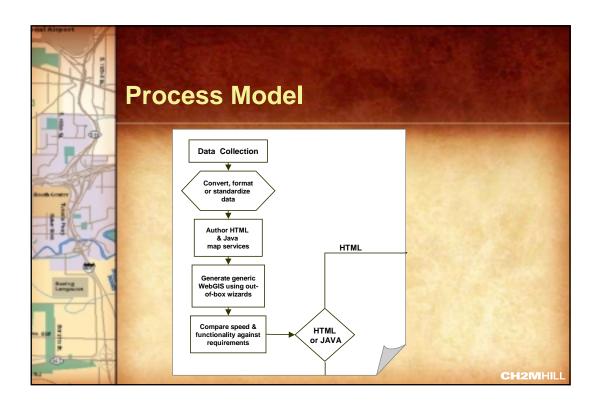


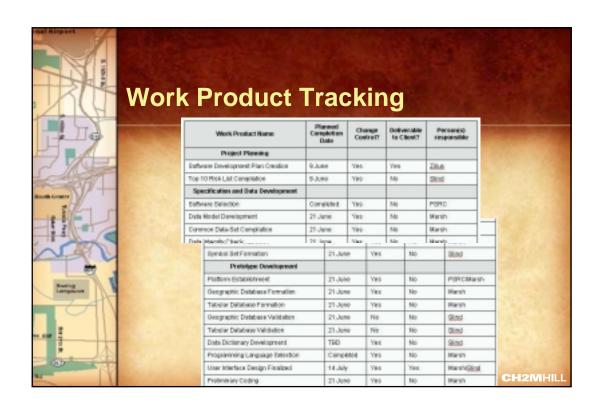
## **Purpose of WebGIS project**

- Proof of Concept
  - Determine viability of WebGIS technology for delivery of information
  - Determine scope and resources for full public implementation











# **Risk Management**

#### 3.1 Risk Management

Risks to the successful development and delivery of the product within budget and on-schedule:

Ran	k Impact	Risk	Risk Resolution Process
1	High	Undefined external demonstration server requirements (hardware spec, licensing)	Work with vendor, IT specialist to resolve
2	Med	Unachievable schedule	Discuss possible alternative schedule w/client. Clear Troy's schedule.
3	Med	New, unproven development platform	Consult vendor support resources, schedule developer consultation
4	Med	Unforeseen technical obstacles encountered in customization	Plan contingencies for each functionality requirement
5	Low	Internal server software not yet obtained	Follow up w/PSRC on status of acquisition

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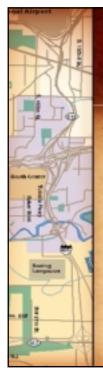


## Results

- Project delivered on-time and within budget
- Full functionality provided in accordance with specification
- Highly customized client GUI (HTML, Javascript)
- Database issues deferred to later phase
- Performance and reliability testing completed in January 2001
- Buffering function has problems







## Countywide / Funding Priorities

- Need to identify projects that provide greatest efficient use of transportation dollars
- KC DOT Hierarchy identifies the facilities of regional significance, coordinated projects along corridors, goal mode splits and performance benchmarks

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## Advantages to this Approach

- Project level planning and evaluation not multi-modal across jurisdictional boundaries
- Provide tools with uniform multi-modal information for project development and evaluation



## Advantages to this Approach

- PSRC Model may be too coarse to evaluate benefits of projects regionally significant
- KC DOT

  performance

  measures apply to

  corridors and swaths

  to help monitor

  progress and test

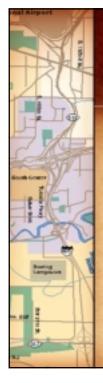
  alternatives
- KC DOT Model is regionally correct with local detail

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## Opportunities to Provide Service

- Small agencies do not have staff expertise to test and develop multimodal solutions
- KC DOT TOOLS provides staff time and tools with regional sophistication to help test alternatives



## Constituent Issues to Address

- Local agencies may not want to participate especially if their tools are better
- KC DOT TOOLS will provide maximum benefit to all if most participate
- More sophisticated cities have boundary issues
- Greatest benefit to small agencies with small staff

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## Political Issues to Address

Governance Issues • KC DOT TOOLS

and Hierarchy do not
challenge agency
autonomy and
provide a valuable
service

